Lifocork® UV 701021-2

Thermoplastic Elastomer

ELASTO

Message:

The main quantity of natural cork which is harvested today is used as pressed cork or mixed with PU or rubber. The processing of this kind of cork can be expensive and require a lot of energy.
We have developed a special manufacturing method to combine natural cork with thermoplastic raw materials. Meaning Lifocork can be processed using typical thermoplastic processing methods such as injection moulding, extrusion or thermoforming.
Cork is a natural product which comes from the bark of the cork oak tree. The removal of the bark does not harm the trees and the bark is only harvested after the first 20 years of growth. The removal stimulates a steady regeneration of the bark. Each cork tree provides on average 16 harvests over its 150-200 year lifespan.
Cork itself has a cell-like structure which is light and highly compressible. It is used in construction, sports, industrial and household applications.
It's also possible to make foamed parts from Lifocork. This offers materials with very low densities (as low as 0.45 g/ccm) and therefore gives lightweight parts. The foamed Lifocork also gives a damping, shock absorbent effect, ideal for orthopaedic shoe lifts and inserts.
Lifocork can be processed using thermoplastic processing methods. In injection moulding it can be processed using standard equipment.
Lifocork can also be processed in 2-component moulding. It has an excellent bond to TPE, PP and PE.
Other processing methods include extrusion or thermoforming with a double belt press.

General Information	
Filler / Reinforcement	Cork
Features	Foamable
	Good Abrasion Resistance
	Good Processability
	Good UV Resistance
	Low Density
	Moisture Resistant
	Renewable Resource Content
Uses	Flexible Grips
	Handles
	Household Goods
	Power/Other Tools
	Sporting Goods
	Toys
Agency Ratings	ISO 10993 Part 5
Processing Method	Coextrusion
	Extrusion
	Injection Molding
	Thermoforming

Hardness	Nominal Value	Test Method
Shore Hardness (Shore A)	70	DIN 53505

Injection	Nominal Value	Unit

Rear Temperature	150	°C
Middle Temperature	160	°C
Front Temperature	170	°C
Nozzle Temperature	175	°C
Injection Rate	Slow	

Recommended distributors for this material

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